

Notice of Allowability	Application No.	Applicant(s)	
	10/798,569	PARK ET AL.	
	Examiner	Art Unit	
	James A. Dudek	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed 3/12/04.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 12 March 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input checked="" type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

James A. Dudek
 Primary Examiner
 Art Unit: 2871

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Regarding claim 1 and its associated dependent claims, the prior art of record [for example US patent 6474712 or US 2003/0071952 A1] teaches a display device comprising: a first sub-pixel, wherein the first sub-pixel is divided into a first domain and a second domain; a second sub-pixel, wherein the second sub-pixel is adjacent to the first sub-pixel and divided into a third domain and a fourth domain; and a third sub-pixel, wherein the third sub-pixel is adjacent to the second sub-pixel and divided into a fifth domain and a sixth domain [the first, second and third pixel are not all shown but are taught; they are other pixels in the matrix]; wherein the first electrodes and the second electrodes are parallel to each other in each pixel [see the figures]. The prior art of record does not teach in combination with the limitations supra "the first electrodes are below the second electrodes in the first, fourth and fifth domains, and the first electrodes are over the second electrodes in the second, third, and sixth domain."

Regarding claim 7 and its associated dependent claims, the prior art of record [for example US patent 6474712 or US 2003/0071952 A1] teaches a display device comprising: a first substrate, wherein the first substrate includes a first, second, third, and fourth domains, arranged in a matrix, the first domain and the second domain are parallel in the same column, the third and the fourth domains are in the same column, the first and the third domains are in the same row, the second and the fourth domains are in the same row; a gate line, wherein the gate line extends along a first direction on the first substrate; a first data line, wherein the first data line extends along a second direction on first substrate; a plurality of TFTS, wherein the TFTS are on the matrix and connected line and the gate line; a plurality of first electrodes, wherein the first disposed to the first data electrodes are first, second, electrodes, wherein the second respectively formed in the first, second, third and fourth domains; respectively formed the third and fourth domains, and a plurality of second electrodes are wherein the second connected to the electrodes are electrically TFTS. The prior art of record does not teach in combination with the limitations supra "the first electrodes in the second and third domains are respectively

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electrically connected to the first electrodes in the fourth and first domains, wherein the positions of the first and second electrodes are the same in the diagonal domains, and the positions of the first and second electrodes are reversed in the adjacent domains.”

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



James A. Dudek
Primary Examiner
Art Unit 2871